Work Order ID 107290 September-23-13 11:47:02 AM						Page 1							
Item ID: Revision ID: Item Name:	D4021-9 Bushing			Accept	*	1 900	<u>140</u>	100)* s	etup Star Stop	IV	S1* S2*	
Start Date: Required Date: Reference:	10/02/13	Start Qty: 24.00 Req'd Qty: 24.00	*24 [*]			Cust Item II Customer:) :						
Approvals:	Process Pla	an: MC5	Date: _/3 -0 9-	Z& Tooling: SPC (Y/N)		Da		*	R	dun Star Stop	1/1	R1* R2*	
Sequence ID/ Work Center II	D	Operation Description		Set Up/ Run Ho	urs	Tool ID	Tool#	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp	
Draw Nbr	Rev	vision Nbr											
D4021	В									منده المراجع ا			
*100 *100* Hardinge Hardinge CNC Lath	e Small	Memo TURN AS P DWG REV: FOLIO REV	ER FOLIO FA 868 AN	0.00 0.00 D DWG D4021	OAS 40 9-8	13/0	9/27		24	Ø			
		***MACHI\\\ DEBURR	NE TO .375" MAX OD	***									
*110 *11 0 * QC		QC2-Inspect parts off m	achine FAI/FAIB	0.00	10AS 40 45	13/09	/ZF		24	Ø	,		

Quality Control

										DQA:	Date:	
NCR: Y	es / No				WORK ORDER NON-O	100	NFORM	MANCE / UP	DATE			
										QA Closed:	Date:	
Work Orde	ar.				DISPOSITION				AGAINST DE	PARTMENT	/PROCESS	
WOIK OIGE	···				Rework	1		Skid-tube	Crosstube	1	Water Jet	Engineering
Part N	Part No. NCR No. Root Cause Date Step Qty /Data p/Tooling erator terial up er ccess plier ining						Machining	Small Fab	Pro	d. Eng. Coor.	Quality	
	/ork Order: Part No. NCR No. Root Cause Date Step Qty Inc/Data Lip/Tooling Derator Daterial Lup Her Docess Deplier Date Step Date Date Date Step Date Date Date Step Date				Use-as-is	1 1		noforming	Finishing	1	re/Packaging	Other
NCR No.				Work Order Update]		Large Fab	Composite		Supplier		
Post		T	Ī	Doscri	ption of work order update	1 1	nitial	Λ	tion	Sign &		
	Date	Ston	Otv	1	or Non-conformance	1	ief Eng		ription	Date	Verification	QC Inspector
	Date	Step	Qty	 	or Non-comormance	Cii	ilei Liig	Desc	приоп	Date	Verification	QC Hispector
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· •						1						
Setup		1										
Other								•				
Process												
Supplier	_	1										
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Landii	ng Gear				General							_
	Bending				Bend		Grain			Ovalized		Pressure/Forced
	Centre N	lot Conce	ntric to	o/s	BOM/Route		Hardwa	re		Over/Under	tolerance	Temperature/Cure
	Cracks				Broken/Damaged		Inspecti	on Incomplete		Part Incorre	ct	Weld
	Crushed	/Crimped			Burrs		Instruct	ions Incomplete/	Unclear	Part Lost/M	ssing	Wrong Stock Pulled
	Cuffs				Contamination		Mainte	nance		Part Moved		
	Heat Tre	at			Countersink		Mislabe	led		Positioned V	Vrong	_
	Inspection	on Strip in	Tube		Cut Too Short	Г	Misread	l		Power Loss/	Surge	Other

Offset

Out of Calibration

Out of Sequence

Outside Dimensions

Turning Sequence

Wave/Twist in Tube

Ripples in Bend

Torque Waves in Extrusion

Drill Holes

Drawing

Finish

Folio

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107290

Page 2

September-23-13 11:47:02 AM Accept *N900040100* Item ID: D4021-9 Setup Start **Revision ID:** Stop Bushing Item Name: 10/02/13 **Start Qty: 24.00 Start Date: Cust Item ID:** Required Date: 10/02/13 **Req'd Qty: 24.00 Customer:** Reference: Run Start Process Plan: Date: Tooling: Date: **Approvals:** Stop SPC (Y/N): QC: Date: Date: Reject Sequence ID/ Operation Set Up/ Tool ID Tool # Plan Accept Reject Insp. Work Center ID Description Code **Qty** Qty Number Stamp **Run Hours** OAS 0.00 120 OC8- Inspect parts - second check *120* QC 0.00 Memo Quality Control Identify as per dwg & Stock Location: W/ACC2 130 *130* 0.00 Packaging Memo Packaging n 13/09/30 MF 930 OC21- Final Inspection - Work Order Release 0.00 140 *140* QC 0.00 Memo Quality Control

							•				DQA	: Date:	
NCR: Y	⁄es	/ No				WORK ORDER NON-	COI	NFORM	MANCE / UP	DATE	QA Closed		
				· · · · · · · · · · · · · · · · · · ·		DISPOSITION				AGAINST DE			
Work Orde	er: _					DISPOSITION	_			A0AM31 00			
Part No.						Rework Scrap Use-as-is		ា	Skid-tube Crosstube Machining Small Fab Thermoforming Finishing			Water Jet od. Eng. Coor. ore/Packaging	Engineering Quality Other
NCR No.						Work Order Update	ן [Large Fab	Composite]	Supplier	
Root	Т				Descri	ption of work order update	Ti	Initial	Ac	tion	Sign &		
Cause		Date	Step	Qty		or Non-conformance	Ch	ief Eng	Desc	ription	Date	Verification	QC Inspector
Doc/Data													
Equip/Tooling									·				
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Material												1	
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Landi	ng G	ear	Š	2/		General		_					_
	Ш	Bending	200	-		Bend	L	Grain			Ovalized		Pressure/Forced
		Centre No	ot Concer	ntric to (o/s	BOM/Route		Hardwa	re		Over/Unde	r tolerance	Temperature/Cure
		Cracks				Broken/Damaged		Inspecti	on Incomplete		Part Incorre	ect	Weld
		Crushed/	Crimped		[.	Burrs		Instruct	ions Incomplete/	Unclear	Part Lost/M	lissing	Wrong Stock Pulled
		Cuffs				Contamination		Mainte	nance		Part Moved	·	_
		Heat Trea	t			Countersink		Mislabe	led		Positioned	Wrong	_
	П	Inspection	n Strip in	Tube		Cut Too Short		Misread	1		Power Loss	/Surge	Other

Offset

Out of Calibration

Out of Sequence

Outside Dimensions

H:/FORMS/Quality Assurance\approved QA/NCRWO Rev G

Turning Sequence

Wave/Twist in Tube

Ripples in Bend

Torque Waves in Extrusion

Drill Holes

Drawing

Finish

Folio

September-23-13 11:47:02 AM

Work Order ID:

107290

Parent Item:

D4021-9

Parent Item Name:

Bushing

Start Date: 10/02/13

Required Date: 10/02/13

Start Qty: 24.00

Required Qty: 24.00

Comments:

IPP REV:A NEW ISSUE 09-11-23 JLM VERIFIED BY:DD IPP Rev:B as per dwg REV.A DD 10.02.22 verified by:EC IPP Rev:C as per dwg revB DD 10.04.20 verified by:EC

	DD 10.02.22 veri	fied by:EC	IPP Rev:C	as per dwg	revB DD 10.04	.20 verified b	y:EC						
Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status I
M304R0.375 304 ROUND BAR 0.375		Purchased	No				f	17.0270		1.992	194	.0	13/09/27
				Location		Loc Qty	<u>Lo</u>	c Code			9.	-8 ₀	
				MAT029		17.027							
				12	25585	1.364							
				_ → M	126153	15.663				10			

NCR:	NCR: Yes / No WORK ORDER NON-CONFORMANCE / UPDATE														
								.		QA Closed:	Date				
Work Orde	er:				DISPOSITION		AGAINST DEPARTMENT/PROCESS								
Part No					Rework Skid-tube Crosstube Scrap Machining Small Fab Use-as-is Thermoforming Finishing Work Order Update Large Fab Composite			Finishing	1	Water Jet d. Eng. Coor. re/Packaging Supplier	Engineering Quality Other				
Root	Des			Descri	ption of work order update		nitial	Act	ion	Sign &					
Cause	Date	Step	Qty	(or Non-conformance	Ch	ief Eng	Descr	iption	Date	Verification	QC Inspector			
Doc/Data															
Equip/Tooling]													
Operator															
Material						1									
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Other			•												
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Unapproved		<u> </u>	<u> </u>			<u> </u>	T CATE	CORV		<u> </u>		<u></u>			
Landi	ng Gear				General	HOL	CATE	JONT							
Larian	Bending				Bend	Г	Grain		Γ	Ovalized	Г	Pressure/Forced			
	Centre No	ot Conce	ntric to	o/s	BOM/Route		Hardwa	ire		Over/Under	tolerance	Temperature/Cure			
	Cracks			'' -	Broken/Damaged		ł	ion Incomplete		Part Incorred	-	Weld			
		Crushed/Crimped		Burrs	一	l '	tions Incomplete/U	Inclear	Part Lost/Mi	⊢	Wrong Stock Pulled				
	Cuffs	•			Contamination		Mainte		-	Part Moved	· L	_ ~			
	Heat Trea	at :			Countersink		Mislabe	eled		Positioned V	Vrong				
:	Inspectio	n Strip in	Tube		Cut Too Short		Misread	t		Power Loss/:	Surge	Other			
	Ripples ir	n Bend			Drill Holes		Offset								
	Torque W	Vaves in E	Extrusio	n [Drawing		Out of 0	Calibration							
	Turning Sequence				Finish	Γ	Out of S								

Outside Dimensions

DQA:

Date:

Wave/Twist in Tube

Folio

H:/FORMS/Quality Assurance\approved QA/NCRWO Rev G

DART AEROSPACE LTD	Work Order:	107290
Description: Bushing	Part Number:	D4021-9
Inspection Dwg: D4021 Rev: B		Page 1 of 1

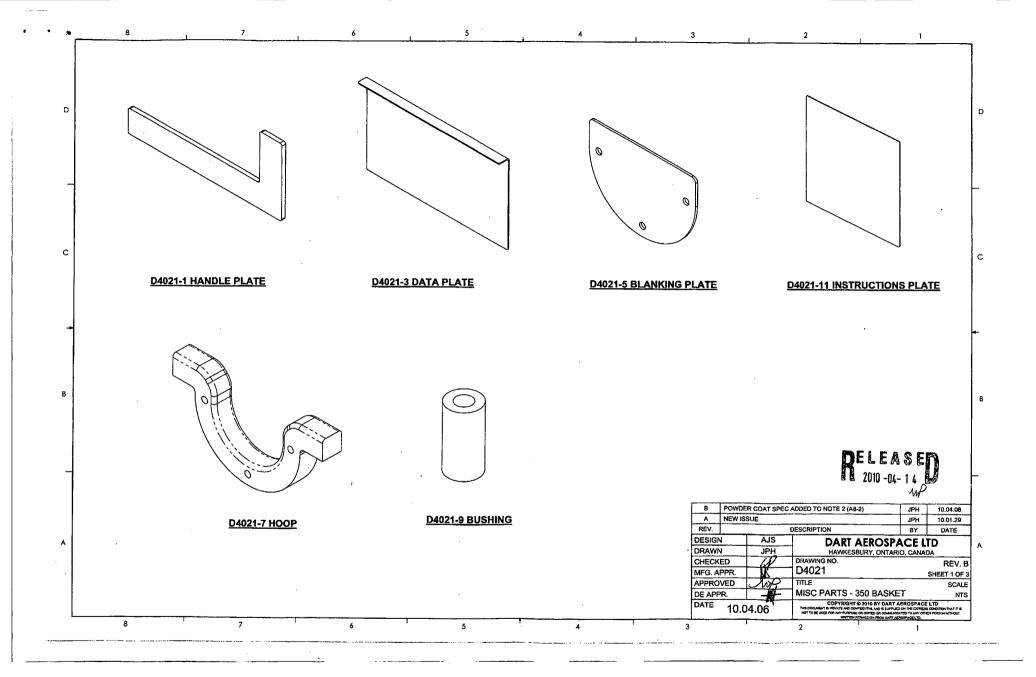
FIRST ARTICLE INSPECTION CHECKLIST

FIRST ARTICLE INSPECTION CHECKLIST											
Drawing Dimension	Tolerance	Actual Dimension	Accept	Reject	Method of Inspection	Comments					
Ø0.191	+0.005/-0.001	•192 •370 •750			VERU	P40-12					
0.38	+/-0.030	.370	1		1.	•.					
0.75	+/-0.030	. 750			3,	٤.					
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easured by:	40	Audited by:	7.0	DAG	Preliminary A	Approval:					
Date: 1	3/09/27	Date:	13/09/2	, 8		Date:					

	OAC*				
Measured by:	400	Audited by:	A.a DAS	Preliminary Approval:	
Date:	13/09/27	Date:	13/09/27089	Date:	

Rev	Date	Change	Revised b	1,0	Approved
Α	10.06.08	New Issue	KJ	XX	
	-			<i>' </i>	



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